The electronic version of this file/report should have the file name:

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report.hw915053_____.2000-02-01.IRM MONITORING AND MAINTENANCE REPORT.pdf

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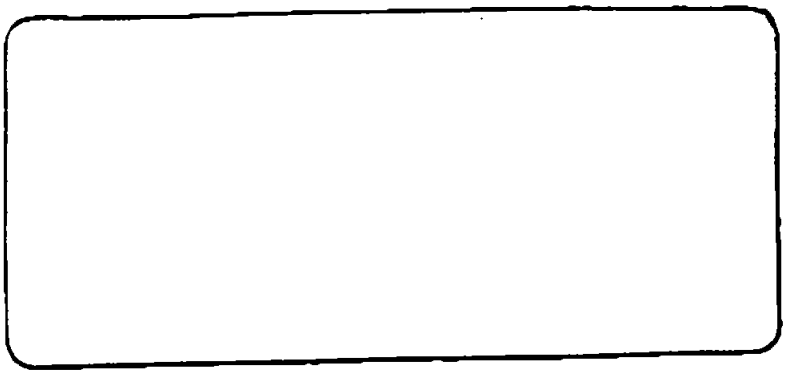
Municipal Brownfields - b
Superfund - hw
Spills - sp
ERP - e
VCP - v
BCP - c

non-releasable - put .nf.pdf
Example: letter.sp9875693.1998-01.Filespillfile.nf.pdf

915053



IRM MONITORING AND MAINTENANCE REPORT ANNUAL REPORT 1999 STRIPPIT, INC. AKRON, NEW YORK NYSDEC SITE NUMBER 9-15-053

Prepared by: Day Environmental, Inc.
2144 Brighton-Henrietta Town Line Road
Rochester, New York 14623

Prepared for: Strippit, Inc.
12975 Clarence Center Road
Akron, New York 14001

Date: February 2000

TABLE OF CONTENTS

1.0 INTRODUCTION

Strippit, Inc. (Strippit) has implemented an Interim Remedial Measure (IRM) approved by the New York State Department of Environmental Conservation (NYSDEC) at a former disposal area (Site) located south of their facility at 12975 Clarence Center Road in Akron, New York (see Locus Plan, Figure 1). The Site is identified by the NYSDEC as number 9-15-053.

As outlined in the NYSDEC's March 1995 Record of Decision (ROD), post-closure monitoring and maintenance is required at the Site to evaluate the effectiveness of the IRM. Specific post-closure monitoring and maintenance requirements are outlined in a document prepared by Day Engineering, P.C. titled *Post-Closure Monitoring and Maintenance Plan; Interim Remedial Measure; Strippit, inc.; Akron, New York* dated February 1995. This plan was reviewed and approved by the NYSDEC prior to implementation.

In accordance with a May 1, 1996 letter by the NYSDEC, the testing program outlined in the February 1995 plan was modified to include testing for the following parameters:

- Indicator Parameters: pH, specific conductance, turbidity and temperature
- Inorganic Parameters: total and soluble barium, iron, magnesium and manganese
- TCL Volatile Organic Compounds (VOCs)
- Total Phenols

In accordance with a June 24, 1998 letter by the NYSDEC, the frequency of groundwater sampling was reduced from quarterly to bi-annually.

This report summarizes the results of the sixteen (16) sample events completed at the Site between April 11, 1995 and December 15, 1999 and includes a statistical evaluation of data collected during these rounds to compare downgradient concentrations to upgradient concentrations. This report also includes a discussion of groundwater flow conditions and the results of the December 15, 1999 inspection of the Site.

IRM MONITORING AND MAINTENANCE REPORT ANNUAL REPORT 1999 STRIPPIT, INC. AKRON, NEW YORK NYSDEC SITE NUMBER 9-15-053

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2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater sampling initially included the measurement of static water levels in each of the wells (designated GW-1 through GW-5, refer to Figure 2). Following these measurements, water was purged from each well using a dedicated bailer. Typically the wells were purged until a volume of water equal to approximately three well casings was removed or until the wells were dry. The wells were then allowed to recover so that "fresh" water was retained for testing. Groundwater samples were collected for testing using a dedicated bailer which is permanently stored above the water within each well casing.

A portion of the groundwater collected from each well was tested in the field for the following parameters using the equipment listed below.

- pH: Cole-Parmer Model 05985-80 pH Meter
- Specific conductance and temperature: Cole-Parmer Model 1481-5 Conductivity/Temperature Meter

In addition to the field testing, samples were also collected for analytical laboratory testing. These samples were placed in pre-cleaned sample containers provided by the analytical laboratory. The analytical laboratory also provided necessary preservatives which were added to the containers before they were returned to the laboratory. The containers for VOC testing were filled first. The remaining sample containers were filled by placing approximately equal amounts of sample from the bailer into each sample container until the container was filled. When the containers were filled they were placed in a plastic cooler containing ice and stored in a locked field vehicle until they were delivered to the analytical laboratory for testing. Chain-of-custody documentation was maintained throughout the sample collection process. Copies of the executed chain-of-custody forms for the December 15, 1999 sample round are included with the test results in Appendix A.

Executed copies of the monitoring well sample logs for the December 15, 1999 sample round are included in Appendix B. These logs summarize in-situ measurements, groundwater depths, purging information and other relative data.

3.0 GROUNDWATER ELEVATIONS AND FLOW PATTERNS

During each sample round, the depth to groundwater was measured from a monitoring point elevation established on the top of each well casing using an electronic tape water level indicator. The groundwater depths and elevations measured during each of the sample rounds are included on the tables in Appendix C.

Groundwater contour maps for the seasonally highest and lowest groundwater elevations measured during the 1999 monitoring events [i.e., October 1, 1999 (seasonally low groundwater conditions) and June 23, 1999 (seasonally high groundwater conditions)] are included as Figure 3. As indicated by the contour maps, monitoring wells GW-2 and GW-5 are located in apparent upgradient positions and the remaining wells (GW-1, GW-3 and GW-4) are located in downgradient positions relative to the IRM fill area and monitoring wells GW-2 and GW-5. The direction of groundwater flow is generally to the northwest (i.e., towards monitoring wells GW-1 and GW-3) and the north (i.e., towards monitoring well GW-4) for both the seasonally low and high groundwater conditions.

The groundwater elevations measured on June 23, 1999 (apparent seasonally high groundwater conditions) range from about 0.4 feet (GW-4) to about 3.5 feet (GW-1) higher than those measured on October 1, 1999 (apparent seasonally low groundwater conditions). Despite these variations the groundwater flow patterns are similar for the seasonally low and seasonally high groundwater conditions.

4.0 ANALYTICAL LABORATORY RESULTS

During the December 15, 1999 sample round, groundwater samples were collected from each of the five monitoring wells (i.e., GW-1 through GW-5). A duplicate sample, designated "DUP", was collected from monitoring well GW-4. All samples were analyzed by Paradigm Environmental Services, Inc. (Paradigm) for the following parameters.

- TCL Volatile Organic Compounds via USEPA Method 8260
- Total and Soluble Barium, Cyanide, Iron, Magnesium and Manganese via applicable procedures listed in "Standard Methods for the Examination of Water and Wastewater," 17th Edition, 1989
- Total phenolics via USEPA Method 420.1

Paradigm filtered a portion of unpreserved sample from each test location using a 2-micron filter to create the "soluble" sample for testing. A copy of Paradigm's report for the samples collected on December 15, 1999 is included in Appendix A.

Field and analytical test parameters measured above applicable detection limits reported by the analytical laboratory are summarized in the tables presented in Appendix C. This table also includes mean and standard deviation values calculated using data collected for each of the sampling events conducted to date. In addition, groundwater elevations measured during each sample round are summarized in these tables.

5.0 SITE INSPECTION REPORT: DECEMBER 15, 1999 SAMPLE ROUND

A copy of the site inspection report completed during the December 15, 1999 sample round is included in Appendix D. Copies of photographs, showing the condition of the Site at the time of the site visit are also included in Appendix D.

6.0 DISCUSSION

A review of the mean concentrations for the detected parameters indicates that the majority of the compounds were measured at concentrations below Class GA standards established in the March 1998 update of 6 NYCRR Parts 700-706 for potable groundwater supplies. The mean concentrations exceeding these standards include total iron in all wells and soluble iron in wells GW-1, GW-4 and GW-5. The mean concentrations of total and soluble magnesium exceed the Class GA standards in samples from GW-1 and GW-4. The mean concentration of methylene chloride in each well, except GW-2, exceeds the Class GA standards. However, methylene chloride was typically detected in blank samples and, as such, the presence of elevated concentrations of methylene chloride may not be representative of site conditions. No mean concentration for other volatile organic compounds with the exception of benzene concentrations measured in samples from GW-3 and GW-4, or semi-volatile organic compounds exceed the Class GA standards. The mean pH values measured in the upgradient wells (GW-2 and GW-5) are elevated (i.e., they exceed 8.5 standard units). However, similarly elevated pH values were not measured in downgradient wells, although well GW-1 had a mean pH concentration of 8.17 s.u. and GW-4 had a mean concentration of 8.36 s.u.

To assess groundwater quality variations at the Site, the mean concentrations for parameters detected in upgradient wells (i.e., GW-2 and GW-5) were initially compared to the mean concentrations of detected compounds in downgradient wells (i.e., GW-1, GW-3 and GW-4). To complete this evaluation, the upgradient wells were grouped to establish a single "background" concentration for each of the detected parameters and this background value was compared to the mean concentration in each of the downgradient wells. This comparison indicates that the mean concentration in the downgradient wells for the following parameters exceeds the background concentration:

- specific conductance in wells GW-1 and GW-4;
- total and soluble magnesium in wells GW-1, GW-3 and GW-4;
- soluble manganese in wells GW-1, GW-3 and GW-4;
- total phenols in well GW-3;
- acetone in well GW-1;
- benzene in wells GW-3 and GW-4;
- vinyl chloride in well GW-3;
- 1,1-dichloroethane in well GW-3;
- chloromethane in well GW-3;
- carbon disulfide in wells GW-3 and GW-4;

- 2-butanone in well GW-3;
- trans 1,2-dichloroethene in well GW-3;
- 1,1,1-trichloroethane in well GW-3;
- chloroform in well GW-3;
- carbon tetrachloride in well GW-3;
- methylene chloride in wells GW-1 and GW-4
- trichloroethene in well GW-3;
- tetrachloroethene in well GW-3;
- m,p-xylene in wells GW-3, and GW-4;
- o-xylene in well GW-3;
- toluene in well GW-3.

The mean concentration in the downgradient wells for the other detected compounds is less than or comparable to background concentrations.

To evaluate if the apparent increase in the above downgradient wells is statistically significant, a Student's T-test at the 0.05 level of significance was completed. Generally, this test included the comparison of the background concentration calculated for wells GW-2 and GW-5 to the mean concentrations for the above parameters/wells utilizing the following:

$$t = \frac{X_1 - X_2}{S\,(1/n)^{1/2}}$$

Where the background concentration (X_1) is compared to the mean concentration in downgradient wells (X_2) and s is the standard deviation and n is the number of samples from the downgradient sample set. If t is greater than a published critical value of t (based on the degrees of freedom, n-1 and $a = 0.005$), the increase in the downgradient wells is considered to be statistically significant.

The results of the t-tests indicate that the increases in the downgradient mean concentrations of total and soluble magnesium in wells GW-1, GW-3 and GW-4, and the mean concentration of specific conductance in GW-1 and GW-4 are statistically significant. The mean concentration of 2-butanone measured in samples from monitoring well GW-3 was also determined to be statistically significant.

All of the other compounds evaluated during the testing were determined not to be statistically significant.

The statistically significant 2-butanone concentration appears to be an anomaly related to random elevated readings. Since 2-butanone has not been detected in samples from GW-3 during the past seven monitoring events. A review of the specific conductivity measurements and magnesium concentrations obtained during the recent sampling rounds in the downgradient wells does not indicate an increasing trend of degradation. Specifically the pH and magnesium values in samples from downgradient monitoring wells are relatively consistent between rounds. The table below illustrates this conclusion.

Sample Date	GW-1		GW-3	GW-4	
	Specific Conductivity (Umhos/cm)	Total Mg (mg/l)	Total Mg (mg/l)	Specific Conductivity (Umhos/cm)	Total Mg (mg/l)
12/16/97	-	78	39.35	989	42.3
3/13/98	1,140	65.8	28.7	985	36
6/11/98	1,128	64.5	27.55	918	35.9
12/14/98	877	59.8	24.6	745	31
6/23/99	764	63.6	32.15	997	40
12/15/99	866	57.7	31.6	806	27.7
Mean	1,076	63.8	31.26	1,011	43.82

Monitoring of the IRM closure, during the December 15, 1999 sample round, indicates that the cap system is in relatively good condition and no significant areas of degradation were observed. Snow cover at the time of the Site visit prevented a complete observation of the closure area. Some of the drainage ways and the sedimentation basin appeared to contain accumulations of sediment and vegetation. These areas should be inspected when weather permits and, if deemed necessary, these areas should be cleared to facilitate surface water drainage. Refer to the Site inspection report and photographs included in Appendix D for additional information pertaining to the IRM Closure area.

7.0 CONCLUSIONS

Groundwater flow at the site is generally to the north (i.e., towards monitoring well GW-4) and the northwest (i.e., towards monitoring wells GW-1 and GW-3). The monitoring wells GW-2 and GW-5 are positioned in upgradient locations relative to the IRM closure area and the remaining groundwater monitoring wells. During 1999, seasonal variations in groundwater elevations ranged between about 0.4 feet in monitoring well GW-4 and about 3.5 feet in monitoring well GW-1. Despite the seasonal variation groundwater flow patterns generally remained consistent at the Site.

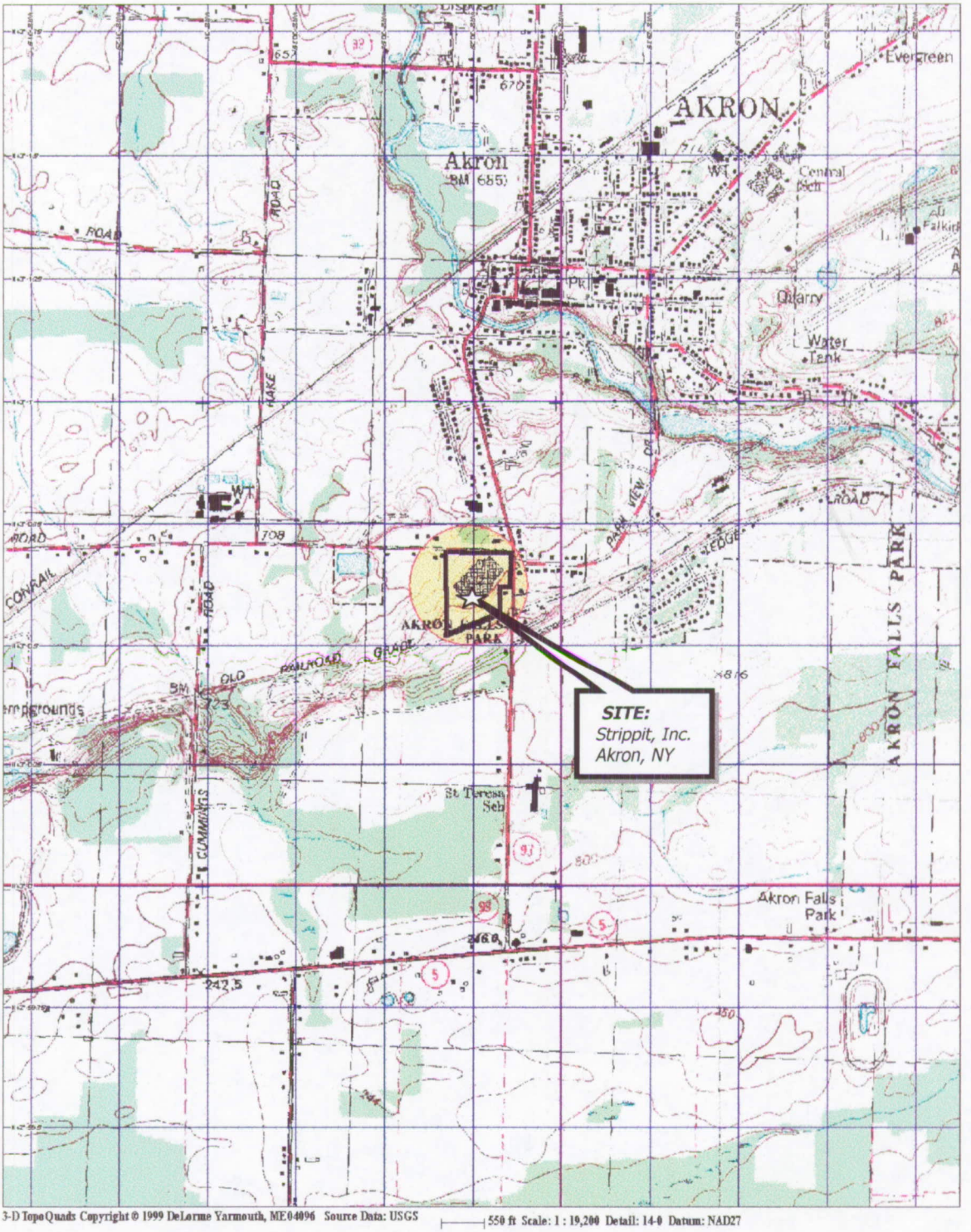
A comparison of the mean concentrations measured in each of the groundwater monitoring wells for the sixteen sampling events conducted to date indicates that the majority of the compounds tested were detected at concentrations below Class GA standards established in NYCRR Parts 700-706. Mean concentrations exceeding these standards include total iron and total phenols in all monitoring wells and soluble iron in monitoring wells GW-1, GW-4 and GW-5. The mean concentrations of total and soluble magnesium exceed the Class GA standards in monitoring wells GW-1 and GW-4. The mean concentrations of methylene chloride exceed Class GA standards in all wells, but since methylene chloride was also detected in blank samples this finding does not appear to represent groundwater degradation at the Site. Finally, the mean concentration of benzene measured in samples from monitoring wells GW-3 and GW-4 exceed Class GA standards.

A statistical evaluation of the groundwater test data obtained to date suggests a statistically significant increase in the downgradient mean concentrations of total and soluble magnesium in samples from monitoring wells GW-1, GW-3 and GW-4 and specific conductivity in samples from GW-1 and GW-4. A statistically significant mean concentration of 2-butanone measured in a sample from monitoring well GW-3 appears to be an anomalous valve. Despite the apparently elevated magnesium concentrations and the statically significant specific conductivity values, a review of the test data does not suggest an increasing trend of groundwater degradation. Rather the magnesium concentrations and specific conductivity concentrations remain relatively consistent between sample events. This trend seems to suggest that the IRM closure has been successful in controlling groundwater degradation. It is noted that occasional "spikes of volatile organic compounds (VOCs) are detected in downgradient wells GW-3 and GW-4. These wells are positioned near a parking lot and the elevated VOCs may be attributable to leakage from vehicles. Since the VOCs appear to be a random occurrence and not typical of a trend of increasing contamination they do not appear to represent a concern at the present time.

Based upon the results of this evaluation it is recommended that monitoring continue at the Site. The frequency of this monitoring should include quarterly groundwater level measurements/IRM closure inspection and bi-annual sampling. It appears that the groundwater samples should be monitored for the same parameters that are presently evaluated, however, consideration should be given to reducing the number of VOCs tested (e.g., potentially to STARS list compounds). In addition, the drainage ways and sedimentation basin should be inspected when weather permits to determine if cleaning is necessary to promote surface water drainage.

FIGURE 1

LOCUS PLAN

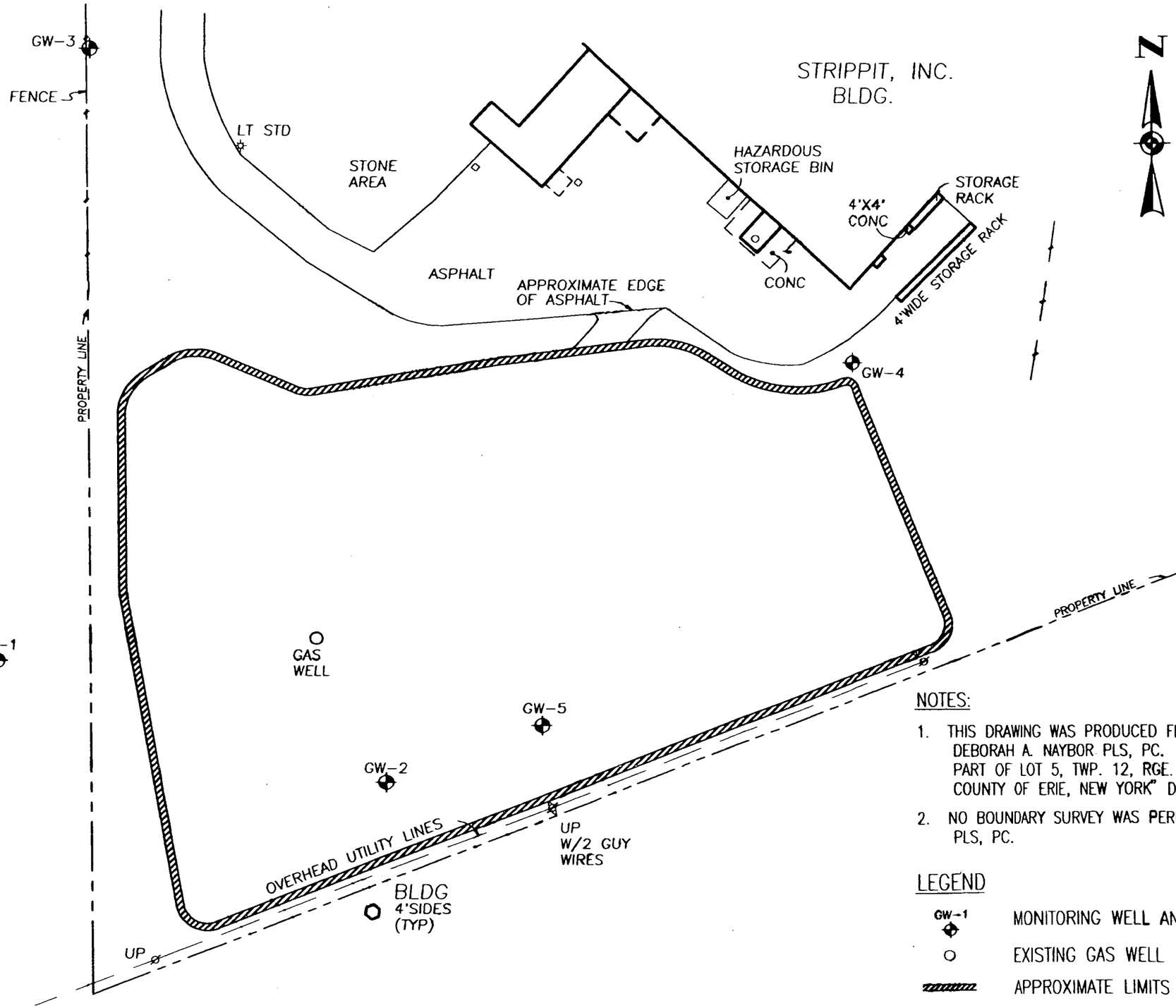


Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad maps, Wolcottsville (NY) 1995; Akron (NY) 1995; Lancaster (NY) 1982; & Corfu (NY) 1984. Site Lat/Long: N43d-0.6' – W78d-30.25'

PROJECT NO. 1863R-99 FIGURE 1 SHEET 1 OF 1	PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK GROUNDWATER MONITORING DRAWING TITLE PROJECT LOCUS MAP	**DAY ENVIRONMENTAL, INC.** ***ENVIRONMENTAL CONSULTANTS*** ***ROCHESTER, NEW YORK***	DATE 02/24/2000 DRAWN BY Tww SCALE 1" = 2000'

FIGURE 2

SITE PLAN



NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DRAWING PROVIDED BY: DEBORAH A. NAYBOR PLS, PC. ENTITLED "TOPOGRAPHIC MAP PART OF LOT 5, TWP. 12, RGE. 5, SEC. 6, TOWN OF NEWSTEAD COUNTY OF ERIE, NEW YORK" DATED 3/4/93 & REVISED 3/26/93.
2. NO BOUNDARY SURVEY WAS PERFORMED BY DEBORAH A. NAYBOR PLS, PC.

LEGEND

- GW-1 — MONITORING WELL AND DESIGNATION
- ○ — EXISTING GAS WELL
- ▨ — APPROXIMATE LIMITS OF FORMER DISPOSAL AREA

DESIGNED BY RLK	DATE 3/19/97	
DRAWN BY RJM	DATE DRAWN 3/19/97	
SCALE 1" = 60'	DATE ISSUED 9/19/97	

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK

PROJECT TITLE
STRIPPIT, INC.
AKRON, NEW YORK
GROUNDWATER MONITORING

DRAWING TITLE
SITE LOCATION MAP

PROJECT NO.
0938S-96

FIGURE 2

SHEET 1 OF 1

FIGURE 3

POTENTIOMETRIC CONTOUR MAP
FOR JUNE 23, 1999 AND OCTOBER 1, 1999

TIME PLOTTED: FRI FEB 18, 13:50:00 2000
FILENAME: \STRIP\STRIP7

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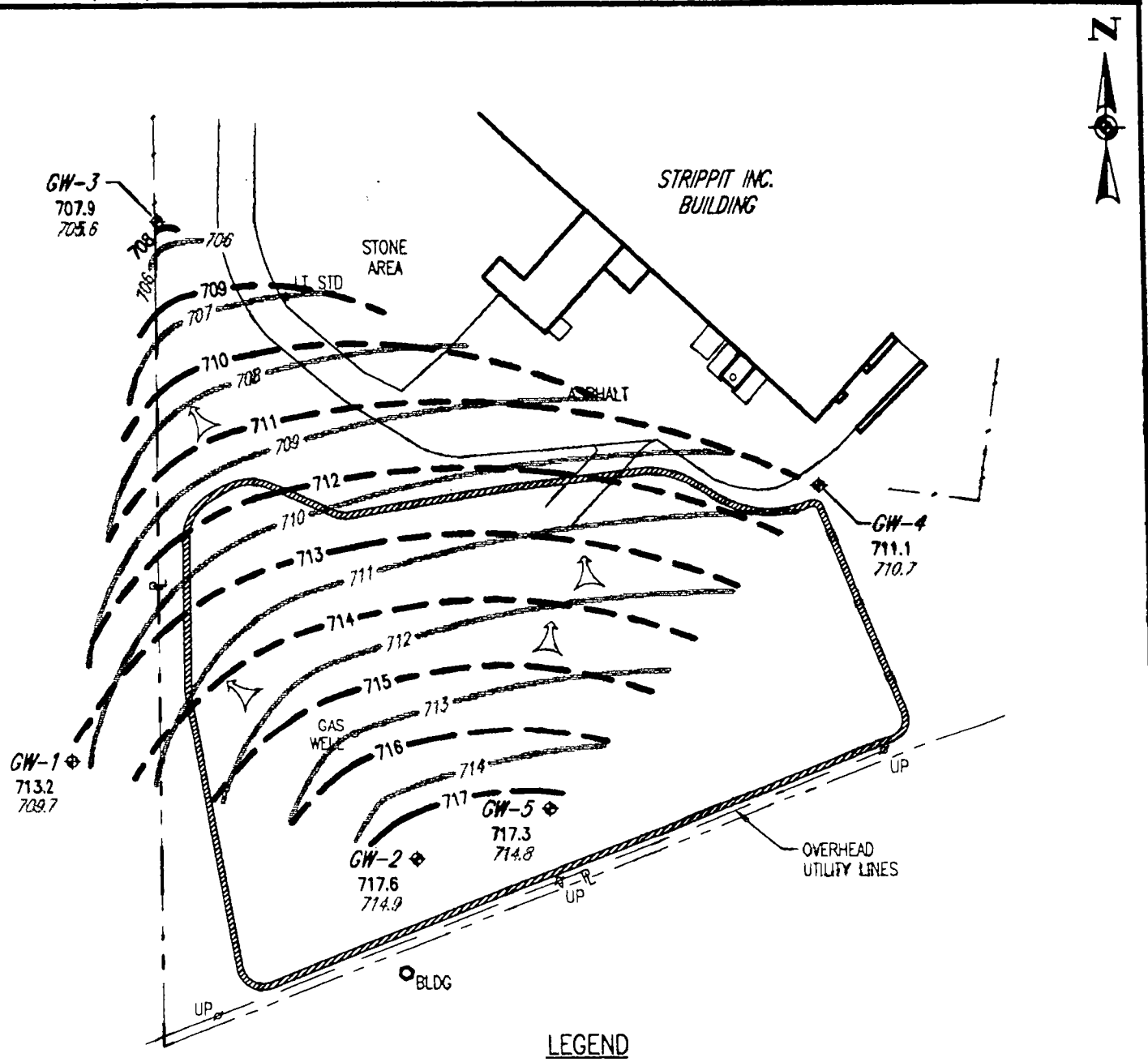
REF2: REF2
REF3: REF3



LEGEND

—— —℄— ——	PROPERTY LINE
—·—·—·—	EXISTING FENCE LOCATION
▨	APPROXIMATE LIMITS OF FORMER DISPOSAL AREA
GW-1 ◆	GROUNDWATER MONITORING WELL WITH
713.2	GROUNDWATER ELEVATION OBTAINED ON 6/23/99
709.7	GROUNDWATER ELEVATION OBTAINED ON 10/1/99
— —714— —	POTENTIOMETRIC CONTOUR FOR 6/23/99
═══ 714 ═══	POTENTIOMETRIC CONTOUR FOR 10/1/99
▷	GROUNDWATER FLOW DIRECTION

NOTES:

1. THIS DRAWING WAS PRODUCED FROM A DRAWING PROVIDED BY: DEBORAH A. NAYBOR PLS, PC. ENTITLED "TOPOGRAPHIC MAP PART OF LOT 5, TWP. 12, RGE 5, SEC 6, TOWN OF NEWSTEAD, COUNTY OF ERIE, NEW YORK" DATED 3/4/93 & REVISED 3/2/93.
2. NO BOUNDARY SURVEY WAS PERFORMED BY DEBORAH A. NAYBOR PLS, PC.

PROJECT NO. 0938S-96	PROJECT TITLE STRIPPIT, INC. AKRON, NEW YORK GROUNDWATER MONITORING	**DAY ENVIRONMENTAL, INC.** *ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK*	DATE 2/18/00
FIGURE 8	DRAWING TITLE POTENTIOMETRIC CONTOUR MAP FOR 6/23/99 & 10/1/99		DRAWN BY RJM
SHEET 1 OF 1			SCALE 1" = 100'

APPENDIX A

PARADIGM ENVIRONMENTAL SERVICES, INC.
REPORT & CHAIN-OF-CUSTODY DOCUMENTATION
DECEMBER 15, 1999 SAMPLE ROUND

PARADIGM
Environmental
Services, Inc. 179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: Day Environmental

Client Job Site: Strippit

Client Job No.: N/A

Lab Project No.: 99-2391

Sample Type: Water
Analytical Method: EPA 420.1
Date Sampled: 12/16/1999
Date Received: 12/16/1999
Date Analyzed: 12/21/1999

Lab Sample ID.	Client Sample ID.	Field Location	Total Phenolics (mg/l)
8086	N/A	GW-1	ND<0.002
8087	N/A	GW-2	ND<0.002
8088	N/A	GW-3	ND<0.002
8089	N/A	GW-4	ND<0.002
8090	N/A	GW-5	ND<0.002
8091	N/A	Duplicate	ND<0.002

ELAP ID. No. 10709

Comments: ND denotes Non Detected.

Approved By: _____
Laboratory Director

File ID: PhenVARLOC99-2391

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Day Environmental
Client Job Site: Strippit
Client Job No.: 1336S-97
Lab Sample No: 8086
Field Location: GW-1

Lab Project No.: 99-2391
Sample Type: Water
Date Sampled: 12/16/1999
Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.036	<0.020
Iron	12/21/1999	EPA 6010	0.724	<0.050
Magnesium	12/21/1999	EPA 6010	57.7	53.5
Manganese	12/21/1999	EPA 6010	0.049	0.023

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____
Laboratory Director

File ID: 992391p1

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: Day Environmental

Client Job Site: Strippit

Client Job No.: 1336S-97

Lab Sample No: 8087

Field Location: GW-2

Lab Project No.: 99-2391

Sample Type: Water

Date Sampled: 12/16/1999

Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.172	0.118
Iron	12/21/1999	EPA 6010	2.23	<0.050
Magnesium	12/21/1999	EPA 6010	1.86	0.109
Manganese	12/21/1999	EPA 6010	0.040	<0.010

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____
Laboratory Director

File ID: 992391p2

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Day Environmental

Client Job Site: Strippit

Client Job No.: 1336S-97

Lab Sample No: 8088

Field Location: GW-3

Lab Project No.: 99-2391

Sample Type: Water

Date Sampled: 12/16/1999

Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.084	0.052
Iron	12/21/1999	EPA 6010	3.15	<0.050
Magnesium	12/21/1999	EPA 6010	31.6	25.8
Manganese	12/21/1999	EPA 6010	0.111	0.047

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____
Laboratory Director

File ID: 992391p3

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Client: Day Environmental

Client Job Site: Strippit

Client Job No.: 1336S-97

Lab Sample No: 8089

Field Location: GW-4

Lab Project No.: 99-2391

Sample Type: Water

Date Sampled: 12/16/1999

Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.078	0.043
Iron	12/21/1999	EPA 6010	4.00	<0.050
Magnesium	12/21/1999	EPA 6010	27.7	18.4
Manganese	12/21/1999	EPA 6010	0.086	<0.010

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____ Laboratory Director

File ID: 992391p4

PARADIGM
Environmental Services, Inc.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Day Environmental

Client Job Site: Strippit

Client Job No.: 1336S-97

Lab Sample No: 8090

Field Location : GW-5

Lab Project No.: 99-2391

Sample Type: Water

Date Sampled: 12/16/1999

Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.076	0.040
Iron	12/21/1999	EPA 6010	4.21	<0.050
Magnesium	12/21/1999	EPA 6010	7.15	1.31
Manganese	12/21/1999	EPA 6010	0.088	<0.010

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____
Laboratory Director

File ID: 992391p5

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716- 647-3311

Client: Day Environmental
Client Job Site: Strippit
Client Job No.: 1336S-97
Lab Sample No: 8091
Field Location: N/A

Lab Project No.: 99-2391
Sample Type: Water
Date Sampled: 12/16/1999
Date Received: 12/16/1999

Parameter	Date Analyzed	Method	Total Results (mg/L)	Soluble Results (mg/L)
Barium	12/21/1999	EPA 6010	0.079	0.041
Iron	12/21/1999	EPA 6010	3.71	<0.050
Magnesium	12/21/1999	EPA 6010	24.1	22.7
Manganese	12/21/1999	EPA 6010	0.081	<0.010

ELAP ID No.: 10958

Comments: Soluble metals filtered to 0.45um in lab.

Approved By: _____ Laboratory Director

File ID: 992391p6

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8086
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	GW-1	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/23/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8087
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	GW-2	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/26/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethar	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

992391V2.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8088
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	GW-3	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/24/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	0.7
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethane	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8089
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	GW-4	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/24/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethar	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

992391V4.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8090
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	GW-5	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/28/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethar	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

992391V5.XLS

PARADIGM
ENVIRONMENTAL
SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 716-647-2530 FAX 716-647-3311

Volatile Laboratory Analysis Report For Non-Potable Water

Client:	Day Environmental	Lab Project No.:	99-2391
Client Job Site:	Strippit	Lab Sample No.:	8091
Client Job No.:	1336S-97	Sample Type:	Water
Field Location:	Duplicate	Date Sampled:	12/16/99
		Date Received:	12/16/99
Field ID No.:	N/A	Date Analyzed:	12/24/99

VOLATILE HALOCARBONS	RESULTS (ug/L)	VOLATILE AROMATICS	RESULTS (ug/L)
Bromodichloromethane	ND< 2.0	Benzene	ND< 0.5
Bromomethane	ND< 2.0	Chlorobenzene	ND< 2.0
Bromoform	ND< 2.0	Ethylbenzene	ND< 2.0
Carbon tetrachloride	ND< 0.5	Toluene	ND< 0.5
Chloroethane	ND< 2.0	m,p - Xylene	ND< 1.0
Chloromethane	ND< 1.0	o - Xylene	ND< 0.5
2-Chloroethyl vinyl ether	ND< 2.0	Styrene	ND< 2.0
Chloroform	ND< 0.5		
Dibromochloromethane	ND< 2.0		
1,1-Dichloroethane	ND< 0.5		
1,2-Dichloroethane	ND< 2.0		
1,1-Dichloroethene	ND< 2.0	Ketones & Misc.	
trans-1,2-Dichloroethene	ND< 0.5	Acetone	ND< 5.0
1,2-Dichloropropane	ND< 2.0	Vinyl acetate	ND< 5.0
cis-1,3-Dichloropropene	ND< 2.0	2-Butanone	ND< 5.0
trans-1,3-Dichloroproper	ND< 2.0	4-Methyl-2-pentanone	ND< 5.0
Methylene chloride	ND< 5.0	2-Hexanone	ND< 5.0
1,1,2,2-Tetrachloroethar	ND< 2.0	Carbon disulfide	ND< 1.0
Tetrachloroethene	ND< 0.5		
1,1,1-Trichloroethane	ND< 0.5		
1,1,2-Trichloroethane	ND< 2.0		
Trichloroethene	ND< 0.5		
Vinyl Chloride	ND< 1.0		

Analytical Method: EPA 8260 ELAP ID No.: 10958

Comments: ND denotes Not Detected

Approved By _____
Laboratory Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 • (800) 724-1997
FAX (716) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	LAB PROJECT #
COMPANY Day Environmental	COMPANY	99-2391
ADDRESS 2144 Brighton Henrietta Townline Rd	ADDRESS	
CITY Rochester STATE NY ZIP 14623	CITY STATE ZIP	P.O. #
ATT. Rick Hampton PHONE# 292-1990 ex 117	ATT. PHONE#	
PROJECT NAME/SITE NAME:	FAX# 292-0465 FAX#	☐ ADDENDUM
Stripper	COMMENTS: Soluble Metals Filtered at lab	
PROJECT #: 13365-97	Lower Det Limits for VOA's	TURN AROUND TIME (WORKING DAYS) ☐ ONE ☐ THREE ☒ FIVE(STD) ☐ OTHER
		REPRESENTATIVE:

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REQUESTED ANALYSIS: 8260 TCL	Ba, Fe, Mg, Mn Total	Ba, Fe, Mg, Mn Soluble	T. Phenolics	REMARKS	PARADIGM LAB SAMPLE NUMBER	ANALYTICAL COSTS
1	12/6	12:33			GW-1	W		X	X	X	X		8086	
2		12:46			GW-2			X	X	X	X		8087	
3		12:24			GW-3			X	X	X	X		8088	
4		13:10			GW-4			X	X	X	X		8089	
5		12:55			GW-5			X	X	X	X		8090	
6		—			Duplicate			X	X	X	X		8091	
7														
8														
9														
10														
11														
12														

RELINQUISHED BY:	DATE/TIME 12/6/99 1600	RECEIVED BY:	DATE/TIME	SAMPLE CONDITION	CHECK # / TOTAL COST
RELINQUISHED BY:	DATE/TIME	RECEIVED BY	DATE/TIME	CARRIER COMPANY	AIR BILL NO. / P.I.F
RELINQUISHED BY:	DATE/TIME	RECEIVED @ LAB BY	DATE/TIME	CARRIER PHONE #	DATE RESULTS REPORTED BY: / DATE/TIME

WHITE COPY-SAMPLE YELLOW COPY-FILE PINK COPY-RELINQUISHER

APPENDIX B

MONITORING WELL SAMPLE LOGS
DECEMBER 15, 1999 SAMPLE ROUND

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-1

SECTION 1

SITE LOCATION: Strippit, Akron, New York **JOB# :** 1863R-99

PROJECT NAME: Post Closure Long Term Monitoring **DATE :** 12/15/99

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Cloudy, 40°

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 58.44 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 43.72 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 14.72 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.4

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
2" (0.1667)	0.1632	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 7.2 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 3.2 (DRY)

PURGE METHOD: 3'Bailer **PURGE START:** 10:30 **END:** 10:37

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME / DATE	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
Gw-1	12/15/99 12:33	3' Bailer	8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics	Clear

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL	PID/FID READING
49.21	6.3	7.95	866	-	Clear	-

jkh3030

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-2

SECTION 1

SITE LOCATION: Strippit, Akron, New York **JOB# :** 1863R-99

PROJECT NAME: Post Closure Long Term Monitoring **DATE :** 12/15/99

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Cloudy, 40°

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 78.60 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 54.42 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 24.18 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.9

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT (GAL/FT)
2" (0.1667)	0.1632

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 11.8 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 4.2 (DRY)

PURGE METHOD: 3'Bailer **PURGE START:** 10:42 **END:** 10:56

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME / DATE	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
Gw-2	12/15/99 12:46	3' Bailer	8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics	Clear

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL	PID/FID READING
72.05	6.6	11.28	592	-	Clear	-

jkh3030

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-3

SECTION 1

SITE LOCATION: Strippit, Akron, New York **JOB# :** 1863R-99

PROJECT NAME: Post Closure Long Term Monitoring **DATE :** 12/15/99

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Cloudy, 40°

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 50.00 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 36.45 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 13.55 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.2

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
2" (0.1667)	0.1632	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 6.6 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 7.0

PURGE METHOD: 3'Bailer **PURGE START:** 10:06 **END:** 10:23

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME / DATE	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
Gw-3	12/15/99 12:21	3' Bailer	8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics	Clear

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL	PID/FID READING
36.45	9.5	7.15	562	-	Clear	-

jkh3030

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-4

SECTION 1

SITE LOCATION: Strippit, Akron, New York **JOB# :** 1863R-99

PROJECT NAME: Post Closure Long Term Monitoring **DATE :** 12/15/99

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Cloudy, 40°

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 52.40 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 40.64 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 11.67 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 1.9

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
2" (0.1667)	0.1632	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 5.7 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 4.5 (DRY)

PURGE METHOD: 3'Bailer **PURGE START:** 11:30 **END:** 11:45

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME / DATE	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
Gw-4 Dupe	12/15/99 13:10	3' Bailer	8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics	Clear

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL	PID/FID READING
46.20	8.9	9.77	806	-	Clear	-

jkh3030

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

Gw-5

SECTION 1

SITE LOCATION: Strippit, Akron, New York **JOB# :** 1863R-99

PROJECT NAME: Post Closure Long Term Monitoring **DATE :** 12/15/99

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Cloudy, 40°

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 74.30 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 55.17 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 19.13 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.1

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
2" (0.1667)	0.1632	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 9.3 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 4.0 (DRY)

PURGE METHOD: 3'Bailer **PURGE START:** 11:00 **END:** 11:15

SECTION 3 - SAMPLE IDENTIFICATION

SAMPLE ID #	TIME / DATE	SAMPLING METHOD	ANALYTICAL SCAN(S)	SAMPLE APPEARANCE
Gw-5	12/15/99 12:55	3' Bailer	8260 TCL, Tot./Sol.- Ba,Fe,Mg,Mn-. Tot Phenolics	Clear

SECTION 4 - SAMPLE DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY µS/cm	TURBIDITY (NTU)	VISUAL	PID/FID READING
65.87	7.3	11.18	663	-	Clear	-

jkh3030

APPENDIX C

SUMMARY OF DETECTED PARAMETERS, MEAN CONCENTRATIONS AND STANDARD DEVIATIONS

STRIPPIT, INC
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/99:GW-1

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97
pH	Standard	7.35	8.76	8.63	9.07	8.87	8.04	8.31	8.55
specific conductance	uMHOS/cm	1,400	1,170	751	889	1,297	862	1,179	870
turbidity	NTU	85.8	200	46.6	-	101.6	83.8	135.2	-
barium, soluble	mg/L	0.058	0.059	0.06	0.12	0.054	0.03	0.04	0.033
barium, total	mg/L	0.079	0.123	0.07	0.13	0.054	0.04	0.0575	0.041
iron, soluble	mg/L	0.03	0.36	0.13	8.24	0.15	0.03	1.065	0.04
iron, total	mg/L	1.46	6.82	2.53	8.34	0.15	0.17	2.96	1
magnesium, soluble	mg/L	50.8	44.6	47.5	66.8	62.9	68.6	57.35	63
magnesium, total	mg/L	54	52	56.8	68.8	62.9	71.2	64.8	65.6
manganese, soluble	mg/L	LT 0.005	0.026	0.01	0.23	0.039	0.021	0.04	0.015
manganese, total	mg/L	0.038	0.171	0.08	0.24	0.039	0.024	0.085	0.041
total phenols	mg/L	-	-	-	-	0.005	0.005	0.005	0.005
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
vinyl chloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
acetone	ug/L	26	LT 5.0	34	6	71	LT 5.0	LT 5.0	LT 5.0
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
1,1-dichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
chloroform	ug/L	LT 0.5	LT 0.5	1.5	LT 0.5	LT 0.5	1	LT 0.5	LT 0.5
2-butanone	ug/L	LT 1.0	2	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	2
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.5	0.9	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
toluene	ug/L	LT 0.5	LT 0.5	LT 0.5	0.6	LT 0.5	LT 0.5	LT 0.5	LT 0.5
tetrachloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
methylene chloride	ug/L	11	LT 5.0	21	LT 5.0	35	14	LT 5.0	LT 5.0
m,p-xylenes	ug/L	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0
o-xylenes	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
phenol	ug/L	LT 1.0	LT 1.0	LT 1.0	LT 1.0	-	-	-	-
groundwater elevation	feet	713.43	711.04	710.09	712.82	715.76	714.71	714.29	715.02

TEST PARAMETER	UNITS	SAMPLE ROUND GW-1									
		6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	Mean	St. Dev
pH	Standard	7.38	7.82	7.35	8.37	7.75	8.28	7. 5.02	7.95	8.17	0.560
specific conductance	uMHOS/cm	1,660	1,292	-	1140	1128	877	764	866	1076	264
turbidity	NTU	-	-	-	-	-	-	-	-	108.83	53.08
barium, soluble	mg/L	0.027	0.02	0.024	0.027	0.028	0.022	0.02 5.0	0.02	0.04	0.03
barium, total	mg/L	0.0624	0.033	0.035	0.023	0.032	0.09 5.0	0.041	0.036	0.059	0.033
iron, soluble	mg/L	0.812	0.061	0.05	0.127	0.05	0.232	0.05	0.05	0.72	2.03
iron, total	mg/L	5.91	0.985	1.21	0.229	0.676	8.66	1.96	0.724	2.737	2.965
magnesium, soluble	mg/L	56	55.2	66.5	66.2	62.2	47.2	62.3	53.5	58.17	7.77
magnesium, total	mg/L	66.3	69.3	78	65.8	64.5	59.8	63.6	57.7	63.82	6.66
manganese, soluble	mg/L	0.0347	0.02	0.013	0.017	0.042	0.16	0.036	0.023	0.046	0.061
manganese, total	mg/L	0.158	0.03	0.049	0.019	0.069	0.255	0.084	0.049	0.089	0.076
total phenols	mg/L	LT0.005	LT 0.002	LT 0.002	LT 0.005	0.03	0.029	LT 0.002	LT 0.002	0.008	0.010
dichlorodifluoromethane	ug/L	-	-	-	-	-	-	-	-		0.27
chloromethane	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
vinyl chloride	ug/L	5	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
acetone	ug/L	LT 20	LT 5.0	LT 5.0	LT 5.0	241.9	LT 5.0	LT 5.0	LT 5.0	28.06	59.71
carbon disulfide	ug/L	LT 10	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.31	2.33
trans-1,2-dichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
1,1-dichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
chloroform	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.87	1.17
2-butanone	ug/L	10	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 0.5	LT 5.0	LT 5.0	3.23	2.74
1,1,1-trichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.81	1.12
carbon tetrachloride	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
benzene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
trichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
toluene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.79	1.12
tetrachloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
methylene chloride	ug/L	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	8.81	8.33
m,p-xylenes	ug/L	LT 5.0	LT 1.0	1.9	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.31	1.01
o-xylenes	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
phenol	ug/L	-	-	-	-	-	-	-	-	1.00	0.00
groundwater elevation	feet	715.09	712.34	713.81	715.52	715.27	711.01	713.24	710.6		

NOTES:

LT = Less than detection limit shows.

B = Compound also detected in blank (see laboratory report).

* = Estimated value, see lab report

NT = Not tested

The following compouds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round:	Methylene chloride 2.8 ug/L.
7/12/95 Sample Round:	Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L
5/8/96 Sample Round:	Acetone 82.0 ug/L, methylene chloride 46.0 ug/L; chloroform 2.0 ug/L.
8/6/96 Sample Round:	Acetone 6.0 ug/L, methylene chloride 11.0 ug/L, chloroform 1.0 ug/L.
10/29/96 Sample Round:	Acetone 12.0 ug/L, methylene chloride 6.0 ug/L.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/L.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST-CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/99: GW-2

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97
pH	Standard	7.23	11.58	11.71	12.23	11.55	11.33	11.29	11.31
specific conductance	uMHOS/cm	1,870	1,170	695	771	1,239	1,050	827	244
turbidity	NTU	200	16.5	11.9	-	11.6	6.91	3.92	74
barium, soluble	mg/L	0.199	0.2	0.18	0.15	0.116	0.129	0.171	0.115
barium, total	mg/L	0.21	0.211	0.21	0.18	0.118	0.13	0.139	0.127
iron, soluble	mg/L	LT 0.03	0.15	0.007	0.43	0.09	LT 0.03	0.1	0.34
iron, total	mg/L	0.25	0.49	1.44	1.26	0.09	0.18	0.26	0.41
magnesium, soluble	mg/L	LT 0.05	0.14	0.23	1.01	0.47	0.95	0.91	0.089
magnesium, total	mg/L	1.03	0.36	0.91	1.36	0.47	2.51	2.8	0.342
manganese, soluble	mg/L	LT 0.005	0.053	LT 0.005	0.03	LT 0.005	LT 0.005	LT 0.005	0.008
manganese, total	mg/L	0.006	0.15	0.02	0.04	LT 0.005	LT 0.005	0.03	0.009
total phenols	mg/L	-	-	-	-	0.005	0.02	0.008	0.005
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
vinyl chloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
acetone	ug/L	31	33	63	24	100	21	47	19
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trans1,2dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
1,1dichloroethane	ug/L	0.6	LT 0.5	0.7	LT 0.5	0.5	LT 0.5	0.7	0.6
chloroform	ug/L	LT 0.5	LT 0.5	2	0.6	LT 0.5	0.8	LT 0.5	LT 0.5
2butanone	ug/L	3	6	LT 0.5	2	4	LT 1.0	LT 1.0	LT 2.0
1,1,1trichloroethane	ug/L	LT 0.5	LT 0.7	0.6	LT 0.5	LT 0.5	0.6	LT 0.5	LT 0.5
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.6	LT 0.5	LT 0.5
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
toluene	ug/L	0.7	LT 0.5	0.9	0.6	0.8	1	0.9	0.6
tetrachloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
methylene chloride	ug/L	11	LT 5.0	23	10	38	LT 5.0	LT 5.0	LT 5.0
m,pxylenes	ug/L	LT 1.0	LT 1.0	LT 1.0	1	LT 1.0	LT 1.0	LT 1.0	LT 1.0
oxylenes	ug/L	LT 0.5	LT 0.5	LT 0.5	0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
phenol	ug/L	LT 1.0	5.6	2	3	-	-	-	-
groundwater elevation	feet	719.9	717.08	715.62	718.59	721.58	720.24	719.96	721.22

TEST PARAMETER	UNITS	SAMPLE ROUND GW-2									
		6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	Mean	St. Dev
pH	Standard	10.51	10.61	10.43	11.54	11.28	11.42	11.04	11.28	11.01	0.44
specific conductance	uMHOS/cm	770	904	864	79.5	799	676	761	592	681	262
turbidity	NTU										
barium, soluble	mg/L	0.102	0.091	0.045	0.094	0.094	0.088	0.14	0.118	0.097	0.027
barium, total	mg/L	0.108	0.11	0.099	0.091	0.118	0.107	0.146	0.172	0.119	0.027
iron, soluble	mg/L	LT 0.1	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	0.10	0.02
iron, total	mg/L	LT 0.1	0.319	9.35	0.194	0.247	0.431	1.23	2.23	1.76	3.15
magnesium, soluble	mg/L	LT 0.5	LT 0.5	4.1	0.038	0.099	0.214	0.131	0.109	0.711	1.381
magnesium, total	mg/L	LT 0.5	LT 0.5	23.3	0.222	0.393	0.404	1.14	1.86	3.54	8.00
manganese, soluble	mg/L	LT 0.01	LT 0.02	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.1	0.02	0.03
manganese, total	mg/L	LT 0.01	LT 0.02	0.224	LT 0.01	LT 0.01	LT 0.01	0.025	0.04	0.04	0.07
total phenols	mg/L	LT 0.005	LT 0.02	LT 0.002	LT 0.005	0.008	0.008	LT 0.002	LT 0.002	0.007	0.006
dichlorodifluoromethane	ug/L										
chloromethane	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.50	1.41
vinyl chloride	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.50	1.41
acetone	ug/L	LT 20	LT 5.0	LT 5.0	9.6	29.6	10.8	6.9	LT 5.0	11.49	8.88
carbon disulfide	ug/L	LT 10	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	3.18
trans1,2dichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
1,1dichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	1.19	1.56
chloroform	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
2butanone	ug/L	LT 10	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	5.63	1.77
1,1,1trichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
carbon tetrachloride	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
benzene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
trichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
toluene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
tetrachloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
methylene chloride	ug/L	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	5.00	0.00
m,pxylenes	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.50	1.41
oxylenes	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
phenol	ug/L										
groundwater elevation	feet	720.69	717.76	719.67	721.29	720.39	715.77	717.64	716.2		

NOTES:

LT = Less than detection limit shown

B = Compound also detected in blank (see laboratory report)

* = Estimated value, see lab report

NT = Not tested

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round:	Methylene chloride 2.8 ug/L.
7/12/95 Sample Round:	Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1trichloroethane 0.9 ug/L, 2butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L
5/8/96 Sample Round:	Acetone 82.0 ug/L, methylene chloride 46.0 ug/L; chloroform 2.0 ug/L.
8/6/96 Sample Round:	Acetone 6.0 ug/L, methylene chloride 11.0 ug/L, chloroform 1.0 ug/L.
10/29/96 Sample Round:	Acetone 12.0 ug/L, methylene chloride 6.0 ug/L.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/L.

= 10/29/96 Sample round solublearium, totalarium, soluble iron, total iron, soluble magnesium, total magnesium, soluble manganese, and total mang average values. Refer to analytical/aborating reports.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/99:GW-3

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/97	2/6/97
pH	Standard	6.82	8.01	8.01	8.42	8.42	7.85	7.53	7.63
specific conductance	uMHOS/cm	2,010	568	502	475	614	623	585	342
turbidity	NTU	26	26.8	191	-	70.7	5.12	150.3	47.4
barium, soluble	mg/L	0.056	0.032	0.07	0.85	0.075	0.065	0.073	0.066
barium, total	mg/L	0.065	0.173	0.165	0.09	0.078	0.086	0.078	0.083
iron, soluble	mg/L	LT 0.03	0.1	0.095	3.02	2.03	0.05	1.74	0.12
iron, total	mg/L	1.56	6.71	13.55	4.09	4.23	1.3	2	2.37
magnesium, soluble	mg/L	27.7	29.35	29.65	31.95	30.65	27.9	28.45	29.7
magnesium, total	mg/L	28.3	68.7	72.55	32.45	30.95	32.7	16.65	32.9
manganese, soluble	mg/L	0.078	0.138	0.075	0.165	0.131	0.124	0.113	0.148
manganese, total	mg/L	0.12	0.456	0.66	0.21	0.142	0.141	0.128	0.148
total phenols	mg/L					LT 0.005	0.14	LT 0.005	LT 0.005
dichlorodifluoromethane	ug/L	2.4	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
chloromethane	ug/L	1.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
vinyl chloride	ug/L	2.3	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
acetone	ug/L	16	10.5	18.5	5.5	90	LT 5.0	LT 5.0	LT 5.0
carbon disulfide	ug/L	1.8	LT 0.5	LT 0.5	LT 0.5	LT 0.5	3	LT 0.5	LT 0.5
trans-1,2-dichloroethene	ug/L	0.8	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
1,1-dichloroethane	ug/L	0.8	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
chloroform	ug/L	0.7	LT 1.5	LT 1.5	LT 0.5	LT 0.95	3	LT 0.5	LT 0.5
2-butanone	ug/L	LT 1.0	7.5	0.75	LT 0.55	LT 0.75	LT 1.0	LT 1.0	LT 2.0
1,1,1-trichloroethane	ug/L	1.8	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
carbon tetrachloride	ug/L	1.7	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
benzene	ug/L	0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trichloroethene	ug/L	0.8	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
toluene	ug/L	0.7	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
tetrachloroethene	ug/L	0.9	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
methylene chloride	ug/L	6.3	LT 5.0	15.5	5.5	37.5	10	LT 5.0	LT 5.0
m,p-xylenes	ug/L	LT 1.0	LT 2.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0
o-xylenes	ug/L	LT 0.5	7.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
phenol	ug/L	LT 1.0	LT 1.0	LT 1.0	LT 1.0	-	-	-	-
groundwater elevation	feet	709.53	707.19	705.56	708.26	711.25	710.47	709.65	710.29

TEST PARAMETER	UNITS	SAMPLE ROUND GW-3									
		6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	Mean	St. Dev.
pH	Standard	7.73	7.03	7.43	8.25	6.93	9.2	9.9	7.15	7.95	1.09
specific conductance	uMHOS/cm	570	635	567	626	445	507	620	562	567	65
turbidity	NTU	-	-	-	-	-	-	-	-		
barium, soluble	mg/L	0.0583	0.057	0.055	0.055	0.057	0.028	0.064	0.052	0.053	0.011
barium, total	mg/L	0.072	0.076	0.087	0.063	0.069	0.071	0.0775	0.084	0.075	0.008
iron, soluble	mg/L	0.114	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.005	LT 0.005	LT 0.05	0.05	0.03
iron, total	mg/L	2.255	3.8	4.65	1.72	1.38	1.81	1.96	3.15	2.59	1.16
magnesium, soluble	mg/L	26.9	25.4	29.5	27.2	24.55	16.6	28.25	25.8	25.53	3.94
magnesium, total	mg/L	30.35	35.8	39.35	28.7	27.55	24.6	32.15	31.6	31.26	4.67
manganese, soluble	mg/L	0.0776	0.05	0.08	0.0695	0.0625	LT 0.01	0.082	0.047	0.060	0.024
manganese, total	mg/L	0.00145	0.12	0.195	0.0965	0.01135	0.079	0.128	0.111	0.093	0.063
total phenols	mg/l	LT 0.005	LT 0.002	LT 0.002	LT 0.05	LT 0.05	LT 0.001	LT 0.002	LT 0.002	0.014	0.022
dichlorodifluoromethane	ug/L	-	-	-	-	-	-	-	-		
chloromethane	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.50	1.41
vinyl chloride	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.50	1.41
acetone	ug/L	LT 20	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	6.88	5.30
carbon disulfide	ug/L	LT 10	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	2.13	3.18
trans-1,2-dichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
1,1-dichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
chloroform	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
2-butanone	ug/L	LT 10	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	5.63	1.77
1,1,1-trichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	0.56	LT 0.5	LT 0.5	LT 0.5	1.07	1.59
carbon tetrachloride	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
benzene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.7	1.09	1.58
trichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
toluene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 0.5	LT 0.5	LT 0.5	1.13	1.58
tetrachloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.06	1.59
methylene chloride	ug/L	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	5.00	0.00
m,p-xylenes	ug/l	LT 5.0	LT 1.0	12.8	LT 1.0	3.35	LT 1.0	LT 1.0	LT 1.0	3.27	4.13
o-xylenes	ug/l	LT 5.0	LT 0.5	3.6	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	1.45	1.80
phenol	ug/l	-	-	-	-	-	-	-	-		
groundwater elevation	feet	710.16	708.13	709.14	711.01	710.47	706.24	707.94	706.14		

NOTES:

LT = Less than detection limit shown

B = Compound also detected in blank (see below).

* = Estimated value, see lab report.

= Average consent of two test rsults (refer to analytical labaoratory results)

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round:	Methylene chloride 2.8 ug/l
7/12/95 Sample Round:	Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L.
5/8/96 Sample Round:	Acetone 82.0 ug/l, methylene chloride 46.0 ug/l; chloroform 2.0 ug/l.
8/6/96 Sample Round:	Acetone 6.0 ug/l, methylene chloride 11.0 ug/l, chloroform 1.0 ug/l.
10/29/96 Sample Round:	Acetone 12.0 ug/l, methylene chloride 6.0 ug/l.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/l.

STRIPPIT, INC. MEASURE
INTERIM REMEDIAL
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/99:GW-4

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97
pH	Standard	7.06	8.31	8.34	9.07	8.03	8.01	7.47	8.205
specific conductance	uMHOS/cm	1,990	935	628	626	1,118	1,141	1,094	743
turbidity	NTU	200	200	106.7	-	42.7	105.4	46.7	115.6
barium, soluble	mg/L	0.045	0.058	0.07	0.11	0.044	0.041	0.05	0.0498
barium, total	mg/L	0.179	0.099	0.12	0.13	0.044	0.044	0.054	0.071
iron, soluble	mg/L	LT 0.03	LT 1.0	0.37	8.32	LT 1.0	0.03	1.94	0.225
iron, total	mg/L	12.02	6.72	11.9	9.85	LT 1.0	0.0425	2.14	2.87
magnesium, soluble	mg/L	50.02	36.7	30.2	47.9	39.7	37.5	44.3	39.65
magnesium, total	mg/L	77.9	48.3	66	49.4	39.7	38.8	49.1	46.15
manganese, soluble	mg/L	LT 0.005	0.029	0.15	0.2	0.022	0.065	0.062	0.0305
manganese, total	mg/L	0.32	0.162	0.32	0.24	0.022	0.0215	0.086	0.0755
total phenols	mg/L					LT 0.005	LT 0.005	LT 0.005	0.012
dichlorodifluoromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT LT 1.0.0	LT 1.0	LT 1.0	LT 1.0
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
vinyl chloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
acetone	ug/L	12	LT 5.0	29	14	38	LT 5.0	LT 5.0	LT 5.0
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
1,1-dichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
chloroform	ug/L	LT 0.5	1.6	1	0.8	LT 0.5	LT 0.55	LT 0.5	LT 0.5
2-butanone	ug/L	LT 1.0	LT 1.0	LT 0.5	1	LT 1.0	LT 1.0	LT 1.0	2
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
toluene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
tetrachloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
methylene chloride	ug/L	2.6	LT 5.0	18	10	36	6	LT 5.0	LT 5.0
m,p-xylenes	ug/L	LT 1.0	LT 2.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0
o-xylenes	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
phenol	ug/L	LT 1.0	LT 1.0	LT 1.0	LT 1.0	-	-	-	-
groundwater elevation	feet	715.06	712.56	711.13	713.69	716.7	715.75	715.36	716.14

TEST PARAMETER	UNITS	SAMPLE ROUND GW-4									
		6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	Mean	St. Dev.
pH	Standard	7.62	7.92	8.06	9.11	8.27	9.1	9.49	9.77	8.36	0.75
specific conductance	uMHOS/cm	1,220	1,237	989	985	918	745	997	806	1011	325
turbidity	NTU	-	-	-	-	-	-	-	-		
barium, soluble	mg/L	0.0464	0.051	0.052	0.054	0.038	0.029	0.06	0.043	0.053	0.02
barium, total	mg/L	0.0575	0.06	0.055	0.055	0.055	0.081	0.059	0.078	0.078	0.04
iron, soluble	mg/L	LT 0.1	LT 0.62	0.06	LT 0.05	LT 0.05	LT 0.05	LT 0.05	0.05	0.87	2.06
iron, total	mg/L	1.29	1.32	0.766	0.286	1.51	4.42	1.58	4	3.86	4.07
magnesium, soluble	mg/L	40.3	29.55	39.9	34.8	32.7	12.5	28.8	18.4	35.18	9.87
magnesium, total	mg/L	39	33.75	42.3	36	35.9	31	40.1	27.7	43.82	12.83
manganese, soluble	mg/L	0.0114	LT 0.02	0.01	LT 0.01	0.014	0.03	LT 0.01	0.01	0.04	0.06
manganese, total	mg/L	0.034		0.023	LT 0.01	0.072	0.094	0.039	0.086	0.107	0.11
total phenols	mg/L	LT 0.005	LT 0.02	0.003	LT 0.005	LT 0.005	0.002	0.002	0.002	0.004	0.00
dichlorodifluoromethane	ug/L	-	-	-	-	-	-	-	-		
chloromethane	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
vinyl chloride	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
acetone	ug/L	LT 20	LT 5.0	7.7	LT 0.5	16.4	LT 5.0	LT 5.0	LT 5.0	11.10	10.27
carbon disulfide	ug/L	LT 10	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.08	2.33
trans-1,2-dichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
1,1-dichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.05	1.13
chloroform	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.90	1.13
2-butanone	ug/L	LT 10	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	3.34	2.66
1,1,1-trichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
carbon tetrachloride	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
benzene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 5.0	LT 5.0	1.11	1.81
trichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
toluene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	2.1	LT 0.5	LT 0.5	LT 0.5	0.88	1.17
tetrachloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
methylene chloride	ug/L	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	7.98	8.25
m,p-xylenes	ug/L	LT 5.0	LT 1.0	8.6	LT 1.0	5.9	LT 1.0	LT 1.0	LT 1.0	2.09	2.30
o-xylenes	ug/L	LT 5.0	LT 0.5	2.3	LT 0.5	1.6	LT 0.5	LT 0.5	LT 0.5	0.96	1.19
phenol	ug/L	-	-	-	-	-	-	-	-		
groundwater elevation	feet	715.92	713.37	714.69	716.43	715.74	711.34	711.09	711.6		

NOTES:

LT = Less than detection limit shown.

B = Compound also detected in blank (see below).

* = Estimated value, see lab report.

^ = Average consent of two test results refer to analytical laboratory results.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round:	Methylene chloride 2.8 ug/l.
7/12/95 Sample Round:	Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chloroform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L.
5/8/96 Sample Round:	Acetone 82.0 ug/L, methylene chloride 46.0 ug/L: chloroform 2.0 ug/L.
8/6/96 Sample Round:	Acetone 6.0 ug/L, methylene chloride 11.0 ug/L, chloroform 1.0 ug/L.
10/29/96 Sample Round:	Acetone 12.0 ug/L, methylene chloride 6.0 ug/L.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/l.

STRIPPIT, INC.
INTERIM REMEDIAL MEASURE
POST CLOSURE MONITORING
SUMMARY OF DETECTED GROUNDWATER PARAMETERS
QUARTERLY SAMPLING: 4/95 TO 12/99:GW-5

TEST PARAMETER	UNITS	SAMPLE ROUND							
		4/11/95	7/12/95	10/16/95	1/22/96	5/8/96	8/6/96	10/29/96	2/6/97
pH	Standard	6.99	10.88	10.97	11.54	10.93	10.87	10.39	10.9
specific conductance	uMHOS/cm	2,090	735	506	641	831	816	737	286
turbidity	NTU	200	167.8	113.2	-	162.6	181	37.8	49.5
barium, soluble	mg/L	0.078	0.484	0.06	0.18	0.05	0.051	0.049	0.056
barium, total	mg/L	0.172	0.6	0.18	0.23	0.053	0.055	0.09	0.114
iron, soluble	mg/L	LT 0.03	0.09	0.34	24.8	0.48	LT 0.03	0.99	0.64
iron, total	mg/L	23	1.73	24.7	34.3	LT 0.51	0.28	1.33	8.67
magnesium, soluble	mg/L	16.5	4.32	3.68	33.5	2.4	1.33	1.96	5.42
magnesium, total	mg/L	32.2	9.71	32.8	42.5	2.53	2.49	3.05	18.6
manganese, soluble	mg/L	LT 0.005	LT 0.005	0.01	LT 0.57	0.011	LT 0.005	0.014	0.016
manganese, total	mg/L	0.485	0.038	0.62	0.76	0.011	0.008	0.03	0.218
total phenols	mg/L	-	-	-	-	LT 0.005	LT 0.005	LT 0.005	LT 0.005
dichlorodifluoro-methane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
chloromethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
vinyl chloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 1.0	LT 1.0	LT 1.0	LT 1.0
acetone	ug/L	33	29	43	8	57	7	9	LT 5.0
carbon disulfide	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trans-1,2-dichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
1,1-dichloroethane	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
chloroform	ug/L	LT 0.5	LT 1.0	1	LT 0.5	LT 0.5	2	LT 0.5	LT 0.5
2-butanone	ug/L	LT 1.0	LT 1.0	1	LT 0.5	LT 1.0	LT 1.0	LT 1.0	2
1,1,1-trichloroethane	ug/L	LT 0.5	LT 0.5	1.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
carbon tetrachloride	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
benzene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
trichloroethene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
toluene	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
tetrachloroethene	ug/L	LT 0.5	LT 0.5	0.6	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
methylene chloride	ug/L	2.4	LT 5.0	24	12	23	10	LT 5.0	LT 5.0
m,p-xylenes	ug/L	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0
o-xylenes	ug/L	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5
phenol	ug/L	LT 1.0	LT 1.4	LT 1.4	LT 1.0	-	-	-	-
groundwater elevation	feet	719.54	716.72	715.29	718.53	721.37	719.99	719.94	721.01

TEST PARAMETER	UNITS	SAMPLE ROUND GW-5									
		6/9/97	9/15/97	12/16/97	3/13/98	6/11/98	12/14/98	6/23/99	12/15/99	Mean	St. Dev.
pH	Standard	10.35	10.14	10.76	11.32	10.84	11.31	1LT 0.5	11.18	10.62	1.04
specific conductance	uMHOS/cm	820	903	665	820	590	567	770	663	778	382
turbidity	NTU	-	-	-	-	-	-	-	-		
barium, soluble	mg/L	0.0463	0.043	0.101	0.051	0.049	0.034	0.042	0.04	0.09	0.11
barium, total	mg/L	0.0532	0.067	0.148	0.065	0.071	0.146	0.068	0.076	0.137	0.135
iron, soluble	mg/L	LT 0.1	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	LT 0.05	1.74	6.16
iron, total	mg/L	1.3	4.93	1.66	1.82	2.22	17.7	3.23	4.21	8.22	10.62
magnesium, soluble	mg/L	1.54	1.3	0.14	2.07	1.99	0.44	1.59	1.31	4.97	8.52
magnesium, total	mg/L	3.65	8	1.64	5.38	9.3	23.6	5.85	7.15	13.03	12.92
manganese, soluble	mg/L	LT 0.01	LT 0.002	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	LT 0.01	0.05	0.14
manganese, total	mg/L	0.0238	0.08	0.035	0.037	0.105	0.382	0.068	0.088	0.187	0.241
total phenols	mg/l	LT 0.005	LT 0.002	LT 0.002	LT 0.005	0.081	LT 0.002	LT 0.002	LT 0.002	0.010	0.022
dichlorodifluoro-methane	ug/L	-	-	-	-	-	-	-	-		
chloromethane	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
vinyl chloride	ug/L	LT 5.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.13	1.06
acetone	ug/L	LT 20	LT 5.0	18.8	LT 5.0	19.7	LT 5.0	8	LT 5.0	17.34	15.79
carbon disulfide	ug/L	LT 10	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	LT 1.0	1.31	2.33
trans-1,2-dichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
1,1-dichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
chloroform	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.94	1.15
2-butanone	ug/L	LT 10	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	3.34	2.66
1,1,1-trichloroethane	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.84	1.14
carbon tetrachloride	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
benzene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
trichloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
toluene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.78	1.13
tetrachloroethene	ug/L	LT 5.0	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	LT 0.5	0.79	1.12
methylene chloride	ug/L	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	LT 5.0	7.90	6.49
m,p-xylenes	ug/l	LT 5.0	LT 1.0	LT 1.0	LT 1.0	6.9	LT 1.0	LT 1.0	LT 1.0	1.62	1.73
o-xylenes	ug/l	LT 5.0	LT 0.5	LT 0.5	LT 0.5	2.4	LT 0.5	LT 0.5	LT 0.5	0.90	1.19
phenol	ug/l	-	-	-	-	-	-	-	-		
groundwater elevation	feet	720.14	717.55	719.42	721.08	719.96	715.57	717.3	716.09		

NOTES:

LT = Less than detection limit shown.

B = Compound also detected in blank (see below).

* = Estimated value, see lab report.

The following compounds were detected in blank samples at the concentrations shown.

4/11/95 Sample Round:	Methylene chloride 2.8 ug/L.
7/12/95 Sample Round:	Acetone 5.0 ug/L, methylene chloride 5.2 ug/L, chloroform 1.0 ug/L, 2-butanone 3.0 ug/L.
10/16/95 Sample Round:	Acetone 20 ug/L, methylene chloride 14 ug/L, chlororform 1.3 ug/L, 1,1,-trichloroethane 0.9 ug/L, 2-butanone 2.0 ug/L.
1/22/96 Sample Round:	Acetone 10 ug/L.
5/8/96 Sample Round:	Acetone 82.0 ug/L, methylene chloride 46.0 ug/L: chloroform 2.0 ug/L.
8/6/96 Sample Round:	Acetone 6.0 ug/L, methylene chloride 11.0 ug/l, chloroform 1.0 ug/L.
10/29/96 Sample Round:	Acetone 12.0 ug/L, methylene chloride 6.0 ug/L.
2/6/97 Sample Round:	Methylene chloride 25.0 ug/L.

APPENDIX D

SITE INSPECTION REPORT
DECEMBER 15, 1999 SAMPLE ROUND

LONG-TERM QUARTERLY MONITORING REPORT
INTERIM REMEDIAL MEASURE
STRIPPIT, INC.
AKRON, NEW YORK

Date of Inspection: December 15, 1999

Inspected By: Jeffrey Kirk Hampton

Summary of Observation:
General Condition of Cover: Cover in good condition, 1 to 12 inches of snow cover on ground prevented a complete view of the ground surface.

Evidence of Erosion, sloughing or other degradation: ☐ Yes ☒ No

Explain: _____

Evidence of cracking: ☐ Yes ☒ No

Explain (include measurements and site sketch): _____

Evidence of water seepage: ☐ Yes ☒ No

Explain: _____

Evidence of Settlement: ☐ Yes ☒ No

Explain: _____

Condition of monitoring wells and gas wells: Monitoring wells and Gas well in good condition, No rust or heavy corrosion visable, Surface seals appeared to be intact.

Condition of Vegetative Cover: Vegetative cover in good condition, no thick growth encountered. Snow cover prevented a complete observation of ground surface.

Condition of drainage ways (discuss amount of water/sediments present, vegetative growth, unusual staining, blockage, etc.) Drainage ways generally in good condition, however, some sediments and vegetation were observed within the drainage ways on the East side of the site (Gw-1) and within the sediment basin

Additional Comments: _____

Action Item(s) Required: Inspect drainage ways and Sedimentation basin when weather permits. Possible removal of vegetation growth and sediments along lower east side drainage way and sedimentation basin.

Action Item(s) completed since last inspection: New locks installed on monitoring wells Gw-4 and Gw-5.

Signatures: _____

PHOTOGRAPHS

View looking west at northern slope of landfill area

View looking south at western landfill slope and drainage swale

Drainage swale in proximity to monitoring well GW-3

View of landfill cap looking northeast (gas well in foreground)